



Advanced Mathematics  
Support Programme®



## Codes and Coding

### Loughborough

26th June 2019

#### Overview

This event is about the history of making and breaking codes, creation of computer coding and much more. It has lots of practical skills for students to engage with. The material is curriculum based but is not the type of activity students would really be exposed to. There will also be a round of problem solving to give a slightly competitive edge to the day. All groups will get a university tour [with undergrads] and a peak at an undergraduate room.

A real buzz to end term with and get an idea of what maths [Core, A Level, Further] they will need to do in year 12 and 13.

Teachers will also get 1 hour CPD on preparing their students for year 12 and 13 maths and how to help them choose which is right for them.

#### Who will benefit from attending?

All students, their teachers too, who will be going on to year 12 and 13 in some establishment will benefit from this day.

#### Content

0900-0930 Registration

0930-1030 Problem Solving Activity 1

1030-1045 Short Break

1045-1145 Activity 2

1145-1245 Activity 3

1245-1330 Lunch and Problem solving prizes

1330-1430 Activity 4

1430-1530 Activity 5

1530 Short Plenary and Farewell

#### Materials and Equipment

Students should bring standard writing equipment and calculators [not phones] for the day.

## Other Information

Own lunch to be brought along. The university cafe is unlikely to be open as we are out of semester.

Warm , waterproof clothing for tour.

Special needs to be advised to AC prior.

Photo permissions to be checked by accompanying staff prior.

Uni risk assessment will be sent along with joining instructions by June 1st.

## Cost

This is a free event.

Please apply for a place when SLT permission and transport arrangements are in place.

## Key Facts

<b>Event ref:</b>	#5951
<b>Audience:</b>	Students
<b>Target year:</b>	Year 10 & 11
<b>Curriculum focus:</b>	11-16 maths
<b>Mathematical focus:</b>	Problem solving
<b>Event format:</b>	Enrichment
<b>Event length:</b>	1 day
<b>Region:</b>	East Midlands
<b>Venue:</b>	Loughborough University, , Epinal Way, Loughborough, Leics, LE11 3TU
<b>Date:</b>	Wed 26th Jun 2019
<b>Course times:</b>	09:30 - 15:45
<b>Fee:</b>	This is a free event

## Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/5951>